

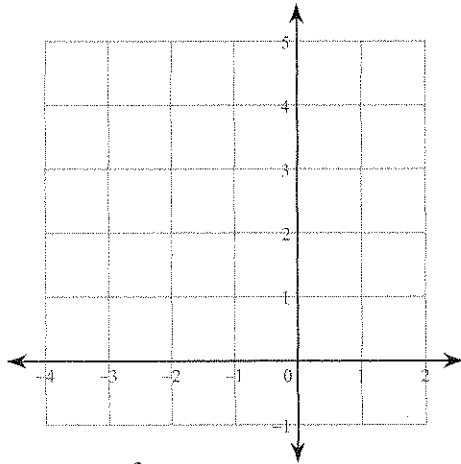
HW 22

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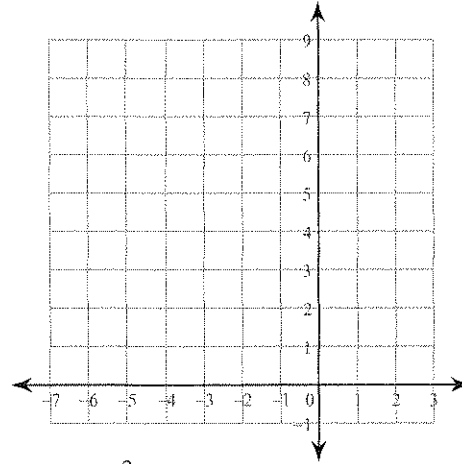
Date _____ Period _____

A) Make a table B) graph the function C) Identify the vertex and axis of symmetry

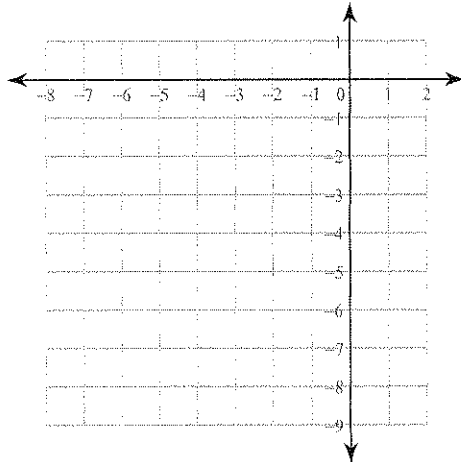
1) $y = x^2 + 1$



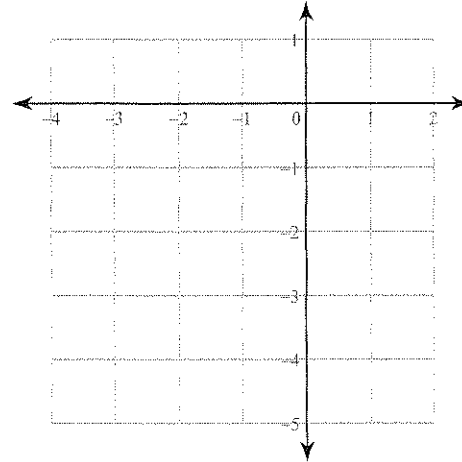
2) $y = 2x^2 + 2$



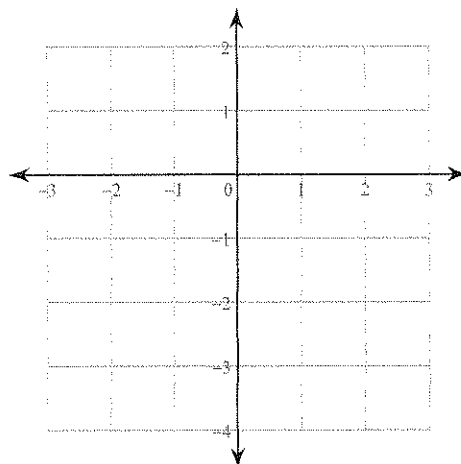
3) $y = -2x^2$



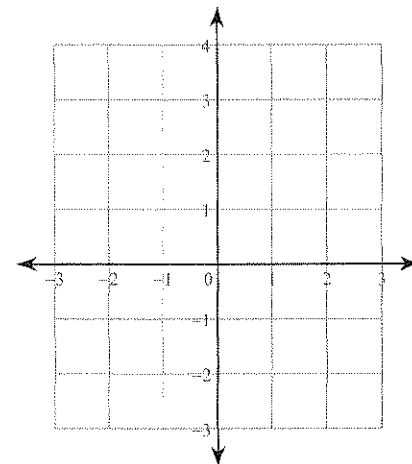
4) $y = -x^2 - 1$



5) $y = -\frac{1}{2}x^2$



6) $y = \frac{1}{3}x^2$

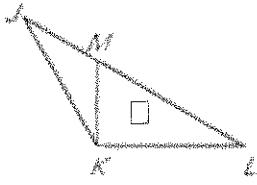
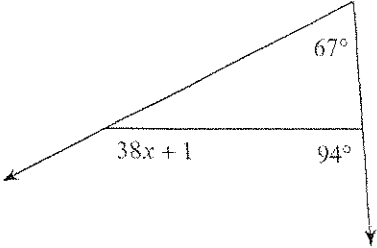
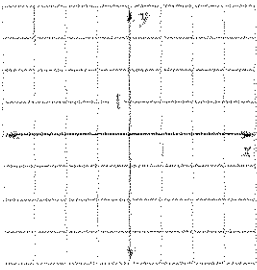


Homework 22

Mixed Review

Name: _____

Period: _____ Date: _____

<p>1. Solve for a.</p> $a^2 + 4b = c$	<p>2. Are these lines parallel, perpendicular, or neither?</p> <p>Line 1: (1, 0), (7, 4) Line 2: (7, 0), (3, 6)</p>	<p>3. Identify the slope of the line: $3y + 12 = -6x$</p>
<p>4. How far apart are the values that satisfy the equation $23 = 7a + 2$?</p>	<p>5. On a number line, point X is located at 5, Y is located at -2, and Z is located at -10. How much longer is XZ than YZ?</p>	
<p>6. In the figure below, JML is a straight line. If $m\angle JMK = 124^\circ$, find $m\angle KML$.</p> 	<p>7. Solve for x:</p> 	
<p>8. Graph $2x + 6y = 12$</p> 	<p>9. How many millimeters long is the diameter of a circle whose area is 49π mm²?</p>	<p>10. Which of the following have the steepest slope?</p> <ul style="list-style-type: none"> a. $y = 2x + 12$ b. $y = 4x + 1$ c. $-2y = -10x + 2$ d. $5y = 10x - 7$ e. $25y + 5x = 5$
<p>11. What is the measure, in degrees, of the angle between the hands of a standard clock and exactly 2 o'clock?</p>	<p>12. On a real number line, what is the distance in coordinate units between points R and Q if R has a coordinate of -12 and Q has a coordinate of 6?</p>	<p>13. What is the perimeter of a square with a side length of 10 inches?</p>